Contents of Soil & Tillage Research, Volume 28

VOL. 28 NO. 1	NOVEMBER 1993
Effects of soil properties on the strength of weakly structured tropical G.J. Ley (Mbeya, Tanzania), C.E. Mullins (Aberdeen, UK) and I	
OH, USA)	
Factors affecting the tensile strength of soil aggregates	1
H. Causarano (Reading, UK)	15
Vehicular traffic effect on physical properties of sandy loam soil profiregion of Nigeria J.O. Ohu, O.A. Folorunso and E.I. Ekwue (Maiduguri, Nigeria)	les in a semi-arid
Evaluation of the compaction effect and directional stability of a whe operating on hillsides	
M.I. Lyasko (Moscow, Russia) and V.A. Terzian (Yerevan, Arme	enia) 37
Chemical and physical characteristics of four soil types under conventillage systems	
F.E. Rhoton (Oxford, MS, USA), R.R. Bruce (Watkinsville, GA,	
N.W. Buehring (Verona, MS, USA), G.B. Elkins (Auburn, AL, U	
C.W. Langdale (Watkinsville, GA, USA) and D.D. Tyler (Jackso Economic analysis of irrigation and deep tillage in soybean production	
soil	
R.A. Wesley, L.A. Smith (Stoneville, MS, USA) and S.R. Spurloc	
State, MS, USA)	
Fracturing of soil clods and the soil crumbling effectiveness of draugh	it tillage
implements	70
R. Berntsen and B. Berre (Åas-NLH, Norway)	
Announcement from the Publisher	95
VOL. 28 NO. 2	DECEMBER 1993
Ploughing and rotary cultivation for cereal production in a long-term	experiment on a
clay soil in southeastern Norway. 1. Soil properties	0.7
T. Børresen and A. Njøs (Ås, Norway)	
Ploughing and rotary cultivation for cereal production in a long-term	experiment on a
clay soil in southeastern Norway. 2. Yields and weed infestation	100
T. Børresen (Ås, Norway) Comparison of functions for characterizing the dry aggregate size dis	tribution of tilled
soil	iribution of timed
E. Perfect, B.D. Kay, J.A. Ferguson, A.P. da Silva and K.A. Denh	olm (Guelph Ont
Canada)	
Effect of crop rotation on yields, soil chemical characteristics, and ec	onomic returns of
zero-till barley in southern Brazil	Ontonino retarillo Or
H.P. dos Santos (Rio Grande do Sul, Brazil), R.P. Zentner, F. Se	lles (Saskatchewan.
Sask., Canada) and I. Ambrosi (Rio Grande do Sul, Brazil)	

The development of a powered low draught tine cultivator D.R.P. Hettiaratchi (Newcastle upon Tyne, UK)		
Tillage and crop effects on ponded and tension infiltration rates	139	
S.D. Logsdon (Ames, IA, USA), J.L. Jordahl (Humbolt, IA, USA)	and D.L. Karlen	
(Ames, IA, USA)		
A comparison of evaporative losses from soil of different tilths and und	er mulch after	
harvest of rice		
R.S. Chaudhary and C.L. Acharya (Palampur, India)		
The changing and the rectangle (1 and par, more)		
Announcement from the Publisher	201	
VOL. 28 NOS. 3-4	JANUARY 1994	
Effect of management of a Himalayan Alfisol on water conservation for		
R.M. Bhagat and S. Chand (Palampur, India)		
Effect of tillage below the seed on emergence of wheat seedlings in a ha		
M.J. Finlay, J.M. Tisdall (Tatura, Vic., Australia) and B.M. McKer		
(Bundoora, Vic., Australia)		
temperate continental climate	on a clay son in	
M.A. Arshad, K.S. Gill (Beaverlodge, Alta., Canada) and G.R. Coy	(Fairview Alta	
	227	
Effects of gypsum slotting on the hydraulic properties of a red-brown ea		
F.J. Cook (Canberra, A.C.T., Australia)		
Amelioration of a hardsetting Alfisol through deep mouldboard plough		
application and double cropping. I. Soil physical and chemical prop		
D.J.M. Hall (Trangie, N.S.W., Australia), D.C. McKenzie (Rydalr		
Australia), D.A. MacLeod and A. Barrett (Armidale, N.S.W., Australia)		
Amelioration of a hardsetting Alfisol through deep mouldboard plough		
application and double cropping. II. Soil-water relations		
D.J.M. Hall (Trangie, N.S.W., Australia), D.C. McKenzie (Rydalr	nere, N.S.W.,	
Australia), D.A. MacLeod (Armidale, N.S.W., Australia) and I.D.		
N.S.W., Australia)		
Amelioration of a hardsetting Alfisol through deep mouldboard plough		
application and double cropping. III. Crop production and profitab		
D.J.M. Hall (Trangie, N.S.W., Australia), D.C. McKenzie (Rydali		
Australia), D.A. MacLeod (Armidale, N.S.W., Australia) and I.D.	Toole (Trangie,	
N.S.W., Australia)		
Seasonal changes in surface aggregate stability under different tillage a	nd crops	
K.Y. Chan (Rydalmere, N.S.W., Australia), D.P. Heenan (Wagga		
Australia) and R. Ashley (Rydalmere, N.S.W., Australia)	301	
Methods for measuring soil velocities caused by a sweep		
H.M. Hanna, S.J. Marley, D.C. Erbach and S.W. Melvin (Ames, IA		
Tillage and mulching effects on physical properties of a tropical Alfiso		
H. Franzen (Göttingen, Germany), R. Lal (Ibadan, Nigeria) and		
(Göttingen, Germany)	329	
Effect of tillage practices on wheat performance in a semi-arid environ		
P.A. Lawrence, B.J. Radford (Biloela Qld, Australia), G.A. Thoma		
Qld, Australia), D.P. Sinclair and A.J. Key (Biloela Qld, Australia) 347	

Book Reviews	
Plant-soil interactions at low pH	
Biotic interactions and soil-borne diseases	
Announcement from the Publisher	
Author Index	372

